CLAIMS

I claim:

1. A conduit for transmission of electrical power, comprising:

a plurality of conductors for electrically connecting a power source and a component, each conductor of a predetermined length and including a wire having insulation wrapped thereabout;

a flexible inner jacket having an inner surface defining a passageway for housing the conductors and an outer surface;

tubular core extending about the outer surface of the jacket and having an outer surface;

braiding wound about the outer surface of the core, the braiding having first and second opposite ends; and

a flexible outer jacket extending about the braiding.

2. The conduit of claim 1 further comprising a ground wire within the inner jacket.

3. The conduit of claim 2 wherein the ground wire is wrapped around the insulation of at least one of the conductors.

4. The conduit of claim 2 wherein the ground wire extends along the length of at least one of the conductors.

5. The conduit of claim 1 wherein the braiding includes first and second end portions, each end portion extending through the outer jacket of the conduit.

6. The conduit of claim 1 wherein the outer jacket includes first and second ends and wherein the conduit further comprises first and second connectors, the connectors mounted on the core adjacent corresponding ends of the outer jacket.

7. A conduit for carrying electrical power from a power source to a target, the power source and the target having terminals and neutral points, comprising:

a conductor having a length for operatively connecting the terminal of the power source and the terminal of target; and

braiding extending about the conductor for operatively connecting the neutral point of power source and the neutral point of the target.

8. The conduit of claim 7 further comprising a ground wire having first and second ends and being positioned adjacent to and extending along the length of the conductor, the first end of the ground wire being operatively connected to a first end of the braiding and the second end of the ground wire being operatively connected to a second end of the braiding.

9. The conduit of claim 7 further comprising a hollow core defining a passageway, the conductor extending through the passageway in the core.

10. The conduit of claim 9 further comprising:

a flexible inner jacket positioned between the conductor and the core; and

a flexible outer jacket extending about the braiding.

11. The conduit of claim 10 wherein the braiding separates the outer jacket from the core.

12. The conduit of claim 11 wherein the braiding includes first and second end portions, each end portion extending through the outer jacket of the conduit.

13. The conduit of claim 7 further comprising a ground wire along the length of the conductor.

14. The conduit of claim 13 wherein the ground wire is wrapped around the conductor.

15. A conduit for carrying three phase electrical power from a power source to a target, the power source having terminals corresponding to each phase of the electrical power, a neutral point and a ground terminal and the target having terminals corresponding to each phase of the electrical power and a ground terminal, the conduit comprising:

a first conductor having a first end connectable to a first terminal of the power source and a second end connectable to the first terminal of the target;

a second conductor having a first end connectable to a second terminal of the power source and a second end connectable to the second terminal of the target;

a third conductor having a first end connectable to a third terminal of the power source and a second end connectable to the third terminal of the target;

a shield extending about the conductors for preventing electromagnetic and radio frequency interference from passing therethrough; and

braiding extending about the shield, the braiding having a first end portion connectable to the neutral point of the power source and a second end portion connectable to the grounding terminal of the target.

16. The conduit of claim 15 further comprising:

a first ground wire position adjacent the first conductor, the first ground wire having a first end connectable to the neutral point of the power source and a second end connectable to the ground terminal of the target;

a second ground wire position adjacent the second conductor, the second ground wire having a first end connectable to the neutral point of the power source and a second end connectable to the ground terminal of the target; and

a third ground wire position adjacent the third conductor, the third ground wire having a first end connectable to the neutral point of the power source and a second end connectable to the ground terminal of the target.

17. The conduit of claim 15 further comprising:

a flexible inner jacket positioned between the conductors and the shield; and

a flexible outer jacket about the braiding.

18. The conduit of claim 17 wherein the first and second end portions of the braiding extend through the outer jacket of the conduit.

19. The conduit of claim 15 wherein a shield includes first and second ends and wherein the conduit further comprises first and second connectors, the connectors mounted on corresponding ends of the shield.